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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/808,127	03/15/2001	Yoshibumi Fukuda	29284/535	4610

7590 12/18/2003

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Suite 700
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EXAMINER

HUYNH, BA

ART UNIT	PAPER NUMBER
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2173

DATE MAILED: 12/18/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

PR4

Office Action Summary

Application No.

09/808,127

Applicant(s)

FUKUDA ET AL.

Examiner

Ba Huynh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.

- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☒ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

BA HUYNH
PRIMARY EXAMINER

DETAILED ACTION

Claim rejections - 35 USC § 112

1. Claims 1-16 are rejected under 35 U.S.C.112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The phrase "character and/or coordinate" is indefinite as to it is not clear as to what combination of "character" and "coordinate" is being claimed, i.e., and, or, or both.

Claim rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C.103(a) which forms the basis for all obviousness rejections set forth in this office action:

(a) a patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-16 are rejected under 35 U.S.C.103(a) as being unpatentable over us patent #5,940,089 (Dilliplane et al), in view of us patent #5,796,403 (Adams et al).

- As for claims 1, 5, 10, 15, 16: Dilliplane et al teach a multimedia information display apparatus having an input device (inherently included) for inputting character/coordinate,

a data processing unit (inherently included), a display capable of displaying the output in different display forms (figure 5), the apparatus further comprising:

a presentation mode detector unit detecting presentation mode data (implicitly included such that proper presentation mode is used for each display area),

an arrangement rule storage means (col. 6, lines 10-41) for storing an arrangement rule defining an optimal presentation mode corresponding to each of said plurality of kinds of work processing,

a display arrangement rule control unit comparing current presentation mode data detected by the display form detector unit with the arrangement rules stored in the storage to output a predetermined display arrangement instruction, the processing unit output the result of each processing in a pre-determined presentation mode in accordance with the display arrangement instruction (col. 7, line 31 - col. 8, line 24).

Dilliplane et al fail to clearly teach the sensor input unit for inputting sensor data to be processed by the processing unit. However implementation of sensor input unit for inputting sensor data is disclosed by Adams et al in an analogous art of display control (col. 3, lines 34-40). It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine Adams' teaching of sensor input unit for inputting sensor data to Dilliplane et al. Motivation of the combining is for receiving sensor input data usable in process control.

- As for claims 2, 11: The presentation mode includes display resolution. An arrangement rule comprises display area set in accordance with display resolution and format (col. 6, line 52 - 61; figs 9a,b,c).
- As for claim 3: The presentation mode includes display color and the arrangement rule comprises the number of display color and display formats (col. 5, lines 42-48).
- As for claims 7, 13: The display arrangement rule includes the number of works and display format (Dilliplane's figures 2a; Adams' figure 5). The detection of the number of works is implicitly included in Dilliplane and Adams.
- As for claim 9: The display arrangement rule includes the work priority and display format (Dilliplane's col. 6, lines 12; Adams' col. 8, lines 55-59).
- As for claims 4, 6, 8: The combined teaching fail to clearly teach that the arrangement rules comprises rule and display format accordance with detected presentation mode associated with drawing speed, computation speed and workload. However implementation of display form associated with drawing speed, computation speed, and workload would have been obvious to one of skill in the art in view of Dilliplane's teaching of display attribute information (col. 6, line 42-66).
- As for claims 12, 14: The combined teaching fail to clearly teach the converting of analog data to digital data when the resolution of a display area is detected to be equal or lower than a threshold value. However it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to implement the converting of analog

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to digital data when the resolution of a display area is less than or equal to a threshold value. Motivation of the implementation is for controlling the displaying of the data.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ba Huynh whose telephone number is (703) 305-9794. The examiner can normally be reached on Mon - Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (703) 308-3116. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3800.

Ba Huynh
Primary Examiner
AU 2173
12/12/03


BA HUYNH
PRIMARY EXAMINER